A fire retardant (FR) textile coating comprising a plurality of FR agents, wherein the FR textile coating has a temperature dependent response to a fire or heat. The invention includes a fire resistant textile product comprising a textile substrate and a fire retardant textile coating comprising a plurality of FR agents, the coating absorbed into or adhered onto the textile substrate. The invention also includes a method for making a fire resistant textile product, the method comprising preparing a fire retardant textile coating comprising a plurality of FR agents, applying the FR textile coating to a textile substrate, and curing the FR textile coating, thereby producing the fire resistant textile product. In an embodiment, the FR agents comprise a first FR agent that responds to a first temperature and a second FR agent that responds to a second temperature greater than the first temperature.
# INTERNATIONAL SEARCH REPORT

## A CLASSIFICATION OF SUBJECT MATTER

**IPC(8) -**

- B32B 5/02 (2008.04)

**USPC -**

- 442/59

According to International Patent Classification (IPC) or to both national classification and IPC.

## B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

- IPC(8) B32B 5/02 (2008.04)
- USPC 442/59

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

- USPC 442/59, Patents and NPL

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)


## C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 5,968,669 A (LIU et al) 19 October 1999 (19 10 1999), col 2, In 55-64, col 3, In 8-20</td>
<td>4, 5, 14</td>
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Further documents are listed in the continuation of Box C

- Special categories of cited documents:
  - "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

22 September 2008 (22 09 2008)

Date of mailing of the international search report

1 OCT 2008

Name and mailing address of the ISA/US

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